

SECTION 5

5.04 FIRE PROTECTION SYSTEMS:

- A. Fire Hydrants: The number and location of fire hydrants in a given area is determined by the appropriate Fire Protection Bureau. Normal practice is to install fire hydrants on the northeast corner of the street intersections. If hydrants are to be installed at locations other than street intersections, they shall be located on lines, which are established by extending property lot side lines into the streets. See Sheet 7 of the Standard Drawings.

Fire hydrant branch lines shall be set at right angles to street mains. The hydrant shall be set at the end of the branch line and shall face the branch line. No horizontal or vertical bends or reducers shall be used in fire hydrant branch lines unless specifically approved by Denver Water. Under no circumstances shall any size or manner of tap be made on a fire hydrant branch line.

A dead-end main shall have no more than one fire hydrant connected to it, except as specifically approved in writing by Denver Water or Distributor.

- B. Firelines: Connections made to existing mains and run to the property line to provide water for fire protection systems are known as firelines and their sizes are determined by those persons responsible for protecting the structures served.

Firelines shall be installed at right angles to the Distribution Mains and shall run straight from the mains to the property lines. No horizontal or vertical bends shall be installed in these lines, except in the case of making a wet tap where the tap location conflicts with an existing pipe joint or where interference prohibits a straight line installation. Such horizontal or vertical bends shall be used only when specifically approved by Denver Water. A fireline detector check valve is required to register flow through firelines.

- C. Backflow Prevention: An approved backflow prevention assembly must be installed on all water service connections that supply a fire protection system. (See 6.11)